

ABSTRACT

METHOD TO PROVIDE CROSS-TALK CANCELLATION

A method to provide cross-talk cancellation in a multiple input multiple output system that comprises a plurality of outputs is described.

- 5 The method comprises a step determining during a first phase and according to a heuristic model, for a first signal to be transmitted to a first output of the plurality of outputs at least one dominant interfering tone of at least one second signal to be transmitted to a second output of the plurality of outputs. The at least one dominant interfering tone is in
- 10 fact a tone of at least one second signal that would generate cross-talk upon the first signal when it would be transmitted to the first output. The method further comprises a step of executing a step of partial cross-talk cancellation for the first signal during a second phase for the one or more determined dominant interfering tones associated to one or another
- 15 second signal. (Figure 1).